

IN THE CLAIMS:

1. (presently amended) An electronically commutated motor for a fuel pump, comprising a rotor which is connected to a shaft in a rotationally fixed manner and has a plastic-bonded ferrite, characterized in that wherein the rotor (1) has a fuel-resistant shaped body (6) which is formed by the plastic-bonded ferrite (4), and in that a magnetic return element (14) which can be adjusted adjustable in relation to the shaped body (6) by being moved on the shaft (2) is provided, with the shaped body having an axial recess (12) in which the return element (14) engages, with the axial recess (12) having an opening side (13) and a base side (20) which is situated opposite the opening side (18) and at which the shaped body (6) is connected to the shaft (2), and with the axial recess (12) forming a funnel (22) which widens conically toward the opening side (18), and in that the return element (14) forms a cone (24) which tapers toward the base side (20) of the recess (12).
2. (presently amended) The motor as claimed in claim 1, characterized in that wherein the funnel has an opening angle (α) of and the cone has an angle, and the funnel (22) opening angle corresponds to the cone angle (β) of the cone (24).
3. (presently amended) The motor as claimed in either of the preceding claims, characterized in that claim 1, wherein the plastic which bonds the ferrite (4) is polyphenylene sulfide.
4. (presently amended) The motor as claimed in one of the preceding claims, characterized in that claim 1, wherein the shaped body (6) has stabilizing fiber material.
5. (presently amended) The motor as claimed in one of the preceding claims, characterized in that claim 1, wherein the shaped body (6) is injection molded onto the shaft (2), and in that, in a connecting region (8) between the shaft (2) and the shaped body (6), the shaft (2) has a pattern (10) which increases its surface roughness of the shaft.
6. (presently amended) The motor as claimed in one of the preceding claims, characterized in that claim 1, wherein the return element (14) can be adjusted is adjustable in relation to the shaped body (6) by being moved on the shaft (2).

7. (new) The motor as claimed in claim 2, wherein the plastic which bonds the ferrite is polyphenylene sulfide.
8. (new) The motor as claimed in claim 2, wherein the shaped body has stabilizing fiber material.
9. (new) The motor as claimed in claim 2, wherein the shaped body is injection molded onto the shaft, and in a connecting region between the shaft and the shaped body, the shaft has a pattern which increases surface roughness of the shaft.
10. (new) The motor as claimed in claim 2, wherein the return element is adjustable in relation to the shaped body by being moved on the shaft.
11. (new) The motor as claimed in claim 3, wherein the shaped body has stabilizing fiber material.
12. (new) The motor as claimed in claim 3, wherein the shaped body is injection molded onto the shaft, and in a connecting region between the shaft and the shaped body, the shaft has a pattern which increases surface roughness of the shaft.
13. (new) The motor as claimed in claim 3, wherein the return element is adjustable in relation to the shaped body by being moved on the shaft.
14. (new) The motor as claimed in claim 4, wherein the shaped body is injection molded onto the shaft, and in a connecting region between the shaft and the shaped body, the shaft has a pattern which increases surface roughness of the shaft.
15. (new) The motor as claimed in claim 4, wherein the return element is adjustable in relation to the shaped body by being moved on the shaft.
16. (new) The motor as claimed in claim 5, wherein the return element is adjustable in relation to the shaped body by being moved on the shaft.
17. (new) The motor as claimed in claim 7, wherein the shaped body has stabilizing fiber material.

18. (new) The motor as claimed in claim 17, wherein the shaped body is injection molded onto the shaft, and in a connecting region between the shaft and the shaped body, the shaft has a pattern which increases surface roughness of the shaft.
19. (new) The motor as claimed in claim 18, wherein the return element is adjustable in relation to the shaped body by being moved on the shaft.